

RDT&E BUDGET ITEM JUSTIFICATION SHEET (R-2 Exhibit)									DATE <b>February 2003</b>																																									
BUDGET ACTIVITY <b>06 - RDT&amp;E Management Support</b>					PE NUMBER AND TITLE <b>0605807F Test and Evaluation Support</b>																																													
COST (\$ in Thousands)	FY 2002 Actual	FY 2003 Estimate	FY 2004 Estimate	FY 2005 Estimate	FY 2006 Estimate	FY 2007 Estimate	FY 2008 Estimate	FY 2009 Estimate	Cost to Complete	Total Cost																																								
Total Program Element (PE) Cost	388,388	381,170	336,720	350,597	349,850	368,746	426,528	443,070	Continuing	TBD																																								
06TG 46 Test Group	20,247	21,414	24,130	23,045	22,081	20,742	22,820	23,768	Continuing	TBD																																								
06TS Test and Evaluation Support	368,141	359,756	312,590	327,552	327,769	348,004	403,708	419,302	Continuing	TBD																																								
Quantity of RDT&E Articles	0	0	0	0	0	0	0	0	0	0																																								
<p>(U) <b><u>A. Mission Description</u></b>            Test facilities, capabilities and resources operated through this program include wind tunnels, rocket and jet engine test cells, limited space environmental simulation chambers, armament test ranges, climatic test facilities, avionics test facilities, aircraft testbeds, dry lakebed landing sites, instrumented test ranges, maintenance and repair of test facilities, civilian payroll, and contractor services. It also provides resources for maintaining Air Force Materiel Command (AFMC) assigned test and test support coded aircraft. No acquisition contracts are funded from this program; test support contracts for services and supplies and equipment are predominantly awarded on the basis of full and open competition.</p> <p>(U) <b><u>B. Budget Activity Justification</u></b>            This program element is in Budget Activity 6, RDT&amp;E Management Support, because it funds institutional infrastructure resources (civilians, aircraft, facilities and ranges) to operate the Air Force test activities which are included in the Department of Defense (DoD) Major Range and Test Facility Base (MRTFB).</p> <p>(U) <b><u>C. Program Change Summary (\$ in Thousands)</u></b></p> <table style="width: 100%; margin-top: 10px;"> <thead> <tr> <th></th> <th style="text-align: right;"><u>FY 2002</u></th> <th style="text-align: right;"><u>FY 2003</u></th> <th style="text-align: right;"><u>FY 2004</u></th> <th style="text-align: right;"><u>Total Cost</u></th> </tr> </thead> <tbody> <tr> <td>(U) Previous President's Budget</td> <td style="text-align: right;">392,583</td> <td style="text-align: right;">398,266</td> <td style="text-align: right;">406,485</td> <td style="text-align: center;">TBD</td> </tr> <tr> <td>(U) Appropriated Value</td> <td style="text-align: right;">392,583</td> <td style="text-align: right;">398,266</td> <td></td> <td></td> </tr> <tr> <td>(U) Adjustments to Appropriated Value</td> <td></td> <td></td> <td></td> <td></td> </tr> <tr> <td>    a. Congressional/General Reductions</td> <td style="text-align: right;">-130</td> <td style="text-align: right;">-15,623</td> <td></td> <td></td> </tr> <tr> <td>    b. Small Business Innovative Research</td> <td></td> <td></td> <td></td> <td></td> </tr> <tr> <td>    c. Omnibus or Other Above Threshold Reprogram</td> <td style="text-align: right;">-2,847</td> <td></td> <td></td> <td></td> </tr> <tr> <td>    d. Below Threshold Reprogram</td> <td style="text-align: right;">741</td> <td></td> <td></td> <td></td> </tr> </tbody> </table>												<u>FY 2002</u>	<u>FY 2003</u>	<u>FY 2004</u>	<u>Total Cost</u>	(U) Previous President's Budget	392,583	398,266	406,485	TBD	(U) Appropriated Value	392,583	398,266			(U) Adjustments to Appropriated Value					a. Congressional/General Reductions	-130	-15,623			b. Small Business Innovative Research					c. Omnibus or Other Above Threshold Reprogram	-2,847				d. Below Threshold Reprogram	741			
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## RDT&amp;E BUDGET ITEM JUSTIFICATION SHEET (R-2 Exhibit)

DATE

February 2003

BUDGET ACTIVITY

**06 - RDT&E Management Support**

PE NUMBER AND TITLE

**0605807F Test and Evaluation Support**(U) **C. Program Change Summary (\$ in Thousands) Continued**

	<u>FY 2002</u>	<u>FY 2003</u>	<u>FY 2004</u>	<u>Total Cost</u>
e. Rescissions	-1,903			
(U) Adjustments to Budget Years Since FY 2003 PBR	-56	-1,473	-69,765	
(U) Current Budget Submit/FY 2004 PBR	388,388	381,170	336,720	TBD

(U) **Significant Program Changes:**

FY04 -\$49.8M realigned to program elements established to separately identify the facilities sustainment (PE 0605978F) and facilities restoration/modernization (PE 0605976F).

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06 - RDT&amp;E Management Support

PE NUMBER AND TITLE

0605807F Test and Evaluation Support

PROJECT

06TG

COST (\$ in Thousands)	FY 2002 Actual	FY 2003 Estimate	FY 2004 Estimate	FY 2005 Estimate	FY 2006 Estimate	FY 2007 Estimate	FY 2008 Estimate	FY 2009 Estimate	Cost to Complete	Total Cost
06TG 46 Test Group	20,247	21,414	24,130	23,045	22,081	20,742	22,820	23,768	Continuing	TBD

(U) **A. Mission Description**

This project funds institutional test infrastructure support including: Command and supervisory staffs; supply stocks; upkeep, refurbishment, repair, and replacement of non-repairable or obsolete test equipment; test infrastructure for data collection, transmission, reduction, and analysis; civilian salaries, utilities, temporary duty travel, support contract costs for hardware and software engineering and maintenance. Project infrastructure support is provided for the unique capabilities of the 46th Test Group (TG) facilities: Central Inertial Guidance Test Facility (CIGTF/746th Test Squadron), the Holloman High Speed Test Track (HHSTT/846th Test Squadron) and the National Radar Cross Section (RCS) Test Facility (NRTF), the 586th Flight Test Squadron and Detachment 1 (DET 1). CIGTF provides independent assessments of inertial components, aircraft navigation systems, and missile guidance systems. HHSTT capabilities include full-scale testing in flight environments, realistic live-fire simulations, test item and target fragment recovery, and precision trajectory analysis and high speed photography. NRTF provides radar cross section (RCS) monostatic and bi-static amplitude and phase measurements, antenna pattern measurements, glint and near field measurements for low observable targets. The DET 1 provides liaison function for coordination of all AF test and training operations at White Sands Missile Range (WSMR). A growing number of the WSMR tests support Directed Energy Systems. The 586th Flight Test Squadron provides flight test support for weapon system, missile, guided bomb and spaceplane test and evaluation. The 46th TG support services contracts are awarded on the basis of full and open competition.

## Budget Activity Justification:

This Program Element is in Budget Activity 6, RDT&E Management Support, because it funds institutional infrastructure resources (civilians, aircraft, facilities and ranges) to operate the Air Force test activities which are included in the Department of Defense (DoD) Major Range and Test Facility Base (MRTFB).

(U) **FY 2002 (\$ in Thousands)**

- (U) \$0 Accomplishments/Planned Program:
- (U) \$0 Provide infrastructure to support testing of DoD, FMS and commercial weapon systems.
- (U) \$1,955 Continue institutional test infrastructure support to enable testing for unclassified programs such as Miniaturized Airborne Global Positioning Upgrade, Joint Global Positioning System (GPS) Combat Effectiveness, GPS jamming and electronic countermeasures, NAVWAR, Federal Aviation Authority (FAA), GPS integrated and embedded Inertial Navigation System (INS) programs, aircraft navigation systems including B-2 and F-22, munitions navigation systems such as Joint Air-to-Surface Standoff Missile (JASSM), F-22 ejection seat, Advanced Concept Ejection Seat (ACES) II Cooperative Modification Project (CMP), SM-3 Live Fire T&E (LFT&E), Theater High Altitude Area Defense (THAAD) LFT&E, Compact Energy Missile (CKEM) LFT&E, RCS testing, as well as multiple classified programs. Continue GPS-Joint Program Office

Project 06TG

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Exhibit R-2A (PE 0605807F)

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<b>RDT&amp;E BUDGET ITEM JUSTIFICATION SHEET (R-2A Exhibit)</b>		DATE <b>February 2003</b>
<b>BUDGET ACTIVITY</b> <b>06 - RDT&amp;E Management Support</b>	<b>PE NUMBER AND TITLE</b> <b>0605807F Test and Evaluation Support</b>	<b>PROJECT</b> <b>06TG</b>
<p>(U) <b><u>A. Mission Description Continued</u></b></p> <p>(U) <b><u>FY 2002 (\$ in Thousands) Continued</u></b></p> <p style="padding-left: 40px;">(JPO) Responsible Test Organization (RTO) responsibilities.</p> <p>(U) \$11,116 Contractor Services (in-house contract support activities)</p> <p>(U) \$7,176 T&amp;E Civilian Pay</p> <p>(U) \$20,247 Total</p> <p>(U) <b><u>FY 2003 (\$ in Thousands)</u></b></p> <p>(U) \$0 Accomplishments/Planned Program:</p> <p>(U) \$0 Provide infrastructure to support testing of DoD, FMS and commercial weapon systems.</p> <p>(U) \$2,761 Continue institutional test infrastructure support to enable testing for unclassified programs such as Miniaturized Airborne Global Positioning Upgrade, Joint Global Positioning System (GPS) Combat Effectiveness, GPS jamming and electronic countermeasures, NAVWAR, Federal Aviation Authority (FAA), GPS integrated and embedded Inertial Navigation System (INS) programs, aircraft navigation systems including B-2 and F-22, munitions navigation systems such as Joint Air-to-Surface Standoff Missile (JASSM), F-22 ejection seat, Advanced Concept Ejection Seat (ACES) II Cooperative Modification Project (CMP), SM-3 Live Fire T&amp;E (LFT&amp;E), Theater High Altitude Area Defense (THAAD) LFT&amp;E, Compact Energy Missile (CKEM) LFT&amp;E, RCS testing, as well as multiple classified programs. Continue GPS-Joint Program Office (JPO) Responsible Test Organization (RTO) responsibilities.</p> <p>(U) \$433 Maintenance and repair for test unique infrastructure. Projects include Track Facilities Window Refurbishment, Track Antenna Relay System, Track (ARC) Building and Track Data Center (TDC) Control Room Renovation, Building 1085 Facility Repairs (XP, Plans &amp; Resources Division Building), Building 1265 Safety Repairs (746th Test Squadron Hq Building), Building 1074 Roof Repairs (586th FLTS Hq Building), Data Processing Computer Upgrades and System -3R (Electronic Discharge Machine) Tooling Maintenance and Upgrades.</p> <p>(U) \$11,201 Contractor Services (in-house contract support activities)</p> <p>(U) \$7,019 T&amp;E Civilian Pay</p> <p>(U) \$21,414 Total</p> <p>(U) <b><u>FY 2004 (\$ in Thousands)</u></b></p> <p>(U) \$0 Accomplishments/Planned Program:</p> <p>(U) \$0 Beginning in FY04, the AF identified unique program elements for facilities restoration/modernization (PE 0605976F) and facilities sustainment (PE 0605978F). As a result, the restoration and sustainment funds are no longer in this program element.</p> <p>(U) \$0 No Activity</p> <p>(U) \$0 Provide infrastructure to support testing of DoD, FMS and commercial weapon systems.</p>		
<div style="display: flex; justify-content: space-between;"> <span>Project 06TG</span> <span>Page 4 of 11 Pages</span> <span>Exhibit R-2A (PE 0605807F)</span> </div>		

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## RDT&amp;E BUDGET ITEM JUSTIFICATION SHEET (R-2A Exhibit)

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BUDGET ACTIVITY

PE NUMBER AND TITLE

PROJECT

06 - RDT&amp;E Management Support

0605807F Test and Evaluation Support

06TG

(U) **A. Mission Description Continued**(U) **FY 2004 (\$ in Thousands) Continued**

(U) \$2,360 Continue institutional test infrastructure support to enable testing for unclassified programs such as Miniaturized Airborne Global Positioning Upgrade, Joint Global Positioning System (GPS) Combat Effectiveness, GPS jamming and electronic countermeasures, NAVWAR, Federal Aviation Authority (FAA), GPS integrated and embedded Inertial Navigation System (INS) programs, aircraft navigation systems including B-2 and F-22, munitions navigation systems such as Joint Air-to-Surface Standoff Missile (JASSM), F-22 ejection seat, Advanced Concept Ejection Seat (ACES) II Cooperative Modification Project (CMP), SM-3 Live Fire T&E (LFT&E), Theater High Altitude Area Defense (THAAD) LFT&E, Compact Energy Missile (CKEM) LFT&E, RCS testing, as well as multiple classified programs. Continue GPS-Joint Program Office (JPO) Responsible Test Organization (RTO) responsibilities.

(U) \$12,702 Contractor Services (in-house contract support activities)

(U) \$9,068 T&E Civilian Pay

(U) \$24,130 Total

(U) **B. Project Change Summary**

FY04 - \$.574M realigned to program elements established to separately identify facilities restoration/modernization (PE 0605976F) (\$.392M) and facilities sustainment (PE 0605978F) (\$.182M).

(U) **C. Other Program Funding Summary (\$ in Thousands)**

	<u>FY 2002</u>	<u>FY 2003</u>	<u>FY 2004</u>	<u>FY 2005</u>	<u>FY 2006</u>	<u>FY 2007</u>	<u>FY 2008</u>	<u>FY 2009</u>	<u>Cost to</u>	<u>Total Cost</u>
	<u>Actual</u>	<u>Estimate</u>	<u>Estimate</u>	<u>Estimate</u>	<u>Estimate</u>	<u>Estimate</u>	<u>Estimate</u>	<u>Estimate</u>	<u>Complete</u>	
(U) Related RDT&E: PE 0604759F, Major T&E Investment; PE 0604256F Threat Simulator Development; PE 0604940D, Central T&E Investments; PE 0605976F, Facility Restoration and Modernization - T&E and PE 0605978F Facility Sustainment -T&E Support										

(U) **D. Acquisition Strategy**

Not applicable

(U) **E. Schedule Profile**

	<u>FY 2002</u>	<u>FY 2003</u>	<u>FY 2004</u>
(U) N/A 46TG infrastructure support operations are continuous and are not driven by discrete start/end dates.	1	2	3

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PROJECT

06 - RDT&amp;E Management Support

0605807F Test and Evaluation Support

06TS

COST (\$ in Thousands)	FY 2002 Actual	FY 2003 Estimate	FY 2004 Estimate	FY 2005 Estimate	FY 2006 Estimate	FY 2007 Estimate	FY 2008 Estimate	FY 2009 Estimate	Cost to Complete	Total Cost
06TS Test and Evaluation Support	368,141	359,756	312,590	327,552	327,769	348,004	403,708	419,302	Continuing	TBD

(U) **A. Mission Description**

This project provides resources to operate the Air Force test activities which are included in the Department of Defense (DoD) Major Range and Test Facility Base (MRTFB). Test facilities/capabilities operated through this program include wind tunnels, rocket and jet engine test cells, limited space environmental simulation chambers, armament test ranges, climatic test facilities, avionics test facilities, aircraft testbeds, dry lakebed landing sites, instrumented test ranges, and test aircraft maintenance, as well as USAF Test Pilot School. Test and Evaluation (T&E) Support funds institutional test infrastructure activities including: Command and supervisory staffs; supply stocks; maintenance, repair, and replacement of worn or obsolete test equipment and facilities; test infrastructure for data collection, transmission, reduction, and analysis; civilian salaries; temporary duty travel; range operations and material support contract costs for hardware and software engineering and maintenance; and minor improvement and modernization projects. It also funds institutional test aircraft depot level maintenance such as: Programmed Depot Maintenance (PDM), the calendar-based cyclic scheduling of aircraft into depots for update/inspection; modifications and any other depot level repairs required by the aircraft System Program Directors (SPD); engine overhauls; depot-provided area assistance; and assorted ground support equipment overhauls. Three major Air Force test centers are supported by this project: (1) Arnold Engineering and Development Center (AEDC), located at Arnold Air Force Base (AFB), TN, whose institutional test infrastructure supports operations of the largest complex of ground test facilities in the free world (includes transonic, supersonic, and hypersonic wind tunnels; rocket motor and turbine engine test cells; space environmental test chambers, hyperballistic ranges; and other specialized facilities). (2) Air Force Flight Test Center (AFFTC), located at Edwards AFB, CA, whose institutional test infrastructure supports weapons system development and operational test and evaluation for aircraft, aircraft subsystems and aircraft weapon systems, aerospace research vehicles, unmanned miniature vehicles, cruise missiles, parachute delivery/recovery systems, cargo handling systems, and Electronic Warfare (EW) systems for DoD and allied forces. The AFFTC mission includes the United States Air Force (USAF) Test Pilot School. (3) Air Armament Center (AAC) 46th Test Wing (TW) located at Eglin AFB, FL, is comprised of 724 square miles of land area, and approximately 123,000 square miles of water space. AAC 46TW provides the institutional test infrastructure required for the conduct of developmental and operational test and evaluation of non-nuclear air armaments (including aircraft guns, ammunition, bombs, and missiles); Command, Control, Communications, Computers and Intelligence (C4I) systems; target acquisition and weapon delivery systems; a multi-service climatic simulation capability, and determines target/test item spectral signatures for DOD and allied forces. AAC 46TW provides a scientific test process that supports the development and enhancement of munitions systems that support tri-service smart weapons development. AAC 46TW technology is compatible with weapon systems to be tested such as Advanced Medium Range Air-to-Air Missile (AMRAAM), Joint Direct Attack Munition (JDAM), AGM-130, Advanced Short Range Air-to-Air Missile (ASRAAM), Joint Tactical Information Distribution System (JTIDS), Joint Surveillance Target Attack Radar System (JSTARS), Combat Talon, etc. T&E support services contracts are awarded on the basis of full and open competition.

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ARIA program mission deleted. Includes effort for Enhanced Flight Termination System.</td> </tr> <tr> <td>(U) \$4,790</td> <td>Utilities and maintenance and repair for test unique infrastructure.</td> </tr> <tr> <td>(U) \$26,272</td> <td>Contractor services (in-house contract support activities)</td> </tr> <tr> <td>(U) \$69,033</td> <td>T&amp;E Civilian Pay</td> </tr> <tr> <td>(U) \$53,742</td> <td>Aircraft flying hour costs (to include USAF Test Pilot School) for pilot proficiency for sustained readiness to include programmed depot maintenance (PDM), engine overhauls, petroleum, oils, and lubricants (POL), depot level reparables (DLR) and related support. Flying proficiency funded at minimum levels to meet AFFTC proficiency flying goals. Includes regeneration effort for F-16 (Peace Gate) aircraft.</td> </tr> <tr> <td>(U) \$0</td> <td>AIR ARMAMENT CENTER (AAC) 46th Test Wing (TW)</td> </tr> <tr> <td>(U) \$5,452</td> <td>Continue institutional test infrastructure support for non-nuclear air armaments (JASSM, SEEK EAGLE, WCMD, F-22, AIM 9X, AMRAAM, ASRAAM, Hellfire, PATRIOT, DIRCM, AAV, UCAV, etc.); C2 (TMBCS, Link 16, BISS, and aircraft software upgrades (AFMSS)).</td> </tr> <tr> <td>(U) \$5,372</td> <td>Utilities and maintenance and repair for test unique infrastructure.</td> </tr> <tr> <td>(U) \$26,565</td> <td>Contractor Services (in-house contract support activities).</td> </tr> <tr> <td>(U) \$31,464</td> <td>T&amp;E Civilian Pay. Civilian authorizations moved due to mission change for Command Support Staff.</td> </tr> </table>			(U) \$0	Accomplishments/Planned Program:	(U) \$0	Provide infrastructure to support testing of DoD, FMS and commercial weapon systems.	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(U) \$53,742	Aircraft flying hour costs (to include USAF Test Pilot School) for pilot proficiency for sustained readiness to include programmed depot maintenance (PDM), engine overhauls, petroleum, oils, and lubricants (POL), depot level reparables (DLR) and related support. Flying proficiency funded at minimum levels to meet AFFTC proficiency flying goals. Includes regeneration effort for F-16 (Peace Gate) aircraft.																																					
(U) \$0	AIR ARMAMENT CENTER (AAC) 46th Test Wing (TW)																																					
(U) \$5,452	Continue institutional test infrastructure support for non-nuclear air armaments (JASSM, SEEK EAGLE, WCMD, F-22, AIM 9X, AMRAAM, ASRAAM, Hellfire, PATRIOT, DIRCM, AAV, UCAV, etc.); C2 (TMBCS, Link 16, BISS, and aircraft software upgrades (AFMSS)).																																					
(U) \$5,372	Utilities and maintenance and repair for test unique infrastructure.																																					
(U) \$26,565	Contractor Services (in-house contract support activities).																																					
(U) \$31,464	T&E Civilian Pay. Civilian authorizations moved due to mission change for Command Support Staff.																																					
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RDT&E BUDGET ITEM JUSTIFICATION SHEET (R-2A Exhibit)		DATE February 2003
BUDGET ACTIVITY	PE NUMBER AND TITLE	PROJECT
<b>06 - RDT&amp;E Management Support</b>	<b>0605807F Test and Evaluation Support</b>	<b>06TS</b>
(U) <b><u>A. Mission Description Continued</u></b>		
(U) <b><u>FY 2002 (\$ in Thousands) Continued</u></b>		
(U) \$5,977	Aircraft flying hour costs include: pilot proficiency flying for sustained readiness; deferred and projected programmed depot maintenance (PDM); engine overhauls; petroleum, oils, and lubricants (POL); depot level reparable (DLR); fuel and fuel price increases; and related support. Funds proficiency flying to minimum levels allowing AAC 46TW to meet proficiency flying goals.	
(U) \$368,141	Total	
(U) <b><u>FY 2003 (\$ in Thousands)</u></b>		
(U) \$0	Accomplishments/Planned Program:	
(U) \$0	Provide infrastructure to support testing of DoD, FMS and commercial weapon systems.	
(U) \$0	ARNOLD ENGINEERING AND DEVELOPMENT CENTER (AEDC)	
(U) \$2,492	Continue institutional test infrastructure support to enable ground testing for classified programs, and unclassified programs (F-22, JDAM, F-15, F-16, JSF, B-1B, B-2, X-37, X-38, KC-10, Global Hawk, AMRAAM, AIM 9X, Minuteman, Peace Keeper, MDA, EELV, THAAD, Hyper-X CTS, Delta IV, F-18, TF39, F404, F414, F100, F110, F415, F118, F119, and Tunnel 9).	
(U) \$41,736	Utilities and maintenance and repair for test unique infrastructure. Maintenance and repair projects which will revitalize the reliability and availability of aged equipment include Exhaust Compressor (ETF XS-1) Changeout, Repair C-Plant Control Valves, Replace Plenum Evacuation System (PES) Expansion Joints, Refurbish A/B/C Model Injection System, Replace Hypersonics Data Systems and Maintenance and Repair planning and design.	
(U) \$95,138	Contractor Services (in-house contract support activities).	
(U) \$13,145	T&E Civilian Pay.	
(U) \$0	AIR FORCE FLIGHT TEST CENTER (AFFTC)	
(U) \$352	Continue to provide institutional test infrastructure support enabling testing of the B-1B, B-2, B-52, F-16, F-15, F-15E, F-22, F-117, AFTI/F-16, C-17, ATIC, ECCM, EW (B-1B ALQ-161, F-16 AN/ASQ-213, C-130 ALQ-172, etc.), and classified programs.	
(U) \$5,385	Utilities and Maintenance and Repair for test unique infrastructure. Maintenance and repair projects include the repair drainage Runway 04, Upgrade Benefield Anechoic Facility (BAF) Electrical (Bldg 1030) and repair Uninterrupted Power Supply Ridley Mission Control Center (Bldg 1441) and design of planned FY04 projects.	
(U) \$25,231	Contractor services (in-house contract support activities)	
(U) \$70,743	T&E Civilian Pay	
(U) \$37,396	Aircraft flying hour costs (to include USAF Test Pilot School) for pilot proficiency for sustained readiness to include programmed depot maintenance (PDM), engine overhauls, petroleum, oils, and lubricants (POL), depot level reparable (DLR) and related support. Flying	
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RDT&E BUDGET ITEM JUSTIFICATION SHEET (R-2A Exhibit)		DATE February 2003
BUDGET ACTIVITY	PE NUMBER AND TITLE	PROJECT
<b>06 - RDT&amp;E Management Support</b>	<b>0605807F Test and Evaluation Support</b>	<b>06TS</b>
(U) <u><b>A. Mission Description Continued</b></u>		
(U) <u><b>FY 2003 (\$ in Thousands) Continued</b></u>		
	proficiency funded at minimum levels to meet AFFTC proficiency flying goals.	
(U) \$0	AIR ARMAMENT CENTER (AAC) 46th Test Wing (TW)	
(U) \$1,851	Continue institutional test infrastructure support for non-nuclear air armaments (JASSM, SEEK EAGLE, WCMD, F-22, AIM 9X, AMRAAM, ASRAAM, Hellfire, PATRIOT, DIRCM, AAV, UCAV, etc.); C2 (TMBCS, Link 16, BISS, and aircraft software upgrades (AFMSS)).	
(U) \$6,429	Utilities and maintenance and repair for test unique infrastructure. Maintenance and repair projects include Add Heat to GWEF Test Facility, Climatic Laboratory Suppression System, Repair Seawall Test Site A-13, Repairs, Replace Fence, Demo Fence and Install A/C S Lean-To at the Climatic Laboratory	
(U) \$19,241	Contractor Services (in-house contract support activities).	
(U) \$29,485	T&E Civilian Pay.	
(U) \$11,132	Aircraft flying hours costs include: pilot proficiency flying for sustained readiness; deferred and projected programmed depot maintenance (PDM); engine overhauls; petroleum, oils, and lubricants (POL); depot level reparables (DLR); fuel and fuel price increases; and related support.	
	Funds proficiency flying to minimum levels allowing AAC 46TW to meet proficiency flying goals.	
(U) \$359,756	Total	
(U) <u><b>FY 2004 (\$ in Thousands)</b></u>		
(U) \$0	Accomplishments/Planned Program:	
(U) \$0	Beginning in FY04, the AF identified unique program elements for facilities restoration/modernization (PE 0605976F) and facilities sustainment (PE 0605978F). As a result, the restoration and sustainment funds are no longer in this program element.	
(U) \$0	No Activity	
(U) \$0	Provide infrastructure to support testing of DoD, FMS and commercial weapon systems.	
(U) \$0	ARNOLD ENGINEERING AND DEVELOPMENT CENTER (AEDC)	
(U) \$3,894	Continue institutional test infrastructure support to enable ground testing for classified programs, and unclassified programs (F-22, JDAM, F-15, F-16, JSF, B-1B, B-2, X-37, X-38, KC-10, Global Hawk, AMRAAM, AIM 9X, Minuteman, Peace Keeper, MDA, EELV, THAAD, Hyper-X CTS, Delta IV, F-18, TF39, F404, F414, F100, F110, F415, F118, F119, and Tunnel 9).	
(U) \$7,200	Utilities associated with the test unique infrastructure.	
(U) \$93,580	Contractor Services (in-house contract support activities).	
(U) \$13,804	T&E Civilian Pay.	
(U) \$0	AIR FORCE FLIGHT TEST CENTER (AFFTC)	
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<b>RDT&amp;E BUDGET ITEM JUSTIFICATION SHEET (R-2A Exhibit)</b>		DATE <b>February 2003</b>
BUDGET ACTIVITY	PE NUMBER AND TITLE	PROJECT
<b>06 - RDT&amp;E Management Support</b>	<b>0605807F Test and Evaluation Support</b>	<b>06TS</b>
<p>(U) <b><u>A. Mission Description Continued</u></b></p> <p>(U) <b><u>FY 2004 (\$ in Thousands) Continued</u></b></p> <p>(U) \$15,321 Continue to provide institutional test infrastructure support enabling testing of the B-1B, B-2, B-52, F-16, F-15, F-15E, F-22, F-117, CV-22, JSF, UCAV, UAV, AFTI/F-16, C-17, ATIC, ECCM, EW (B-1B ALQ-161, F-16 AN/ASQ-213, C-130 ALQ-172, etc.), and classified programs as well as the operation of the USAF Test Pilot School.</p> <p>(U) \$1,027 Utilities associated with test unique infrastructure.</p> <p>(U) \$17,809 Contractor services (in-house contract support activities)</p> <p>(U) \$64,557 T&amp;E Civilian Pay</p> <p>(U) \$23,432 Aircraft flying hour costs (to include USAF Test Pilot School) for pilot proficiency for sustained readiness to include programmed depot maintenance (PDM), engine overhauls, petroleum, oils, and lubricants (POL), depot level reparable (DLR) and related support. Flying proficiency funded at minimum levels to meet AFFTC proficiency flying goals.</p> <p>(U) \$0 AIR ARMAMENT CENTER (AAC) 46th Test Wing (TW)</p> <p>(U) \$4,587 Continue institutional test infrastructure support for non-nuclear air armaments (JASSM, SEEK EAGLE, WCMD, F-22, AIM 9X, AMRAAM, ASRAAM, Hellfire, PATRIOT, DIRCM, AAV, UCAV, etc.); C2 (TMBCS, Link 16, BISS, and aircraft software upgrades (AFMSS)).</p> <p>(U) \$2,352 Utilities associated with test unique infrastructure.</p> <p>(U) \$20,519 Contractor Services (in-house contract support activities).</p> <p>(U) \$34,142 T&amp;E Civilian Pay.</p> <p>(U) \$10,366 Aircraft flying hours costs include: pilot proficiency flying for sustained readiness; deferred and projected programmed depot maintenance (PDM); engine overhauls; petroleum, oils, and lubricants (POL); depot level reparable (DLR); fuel and fuel price increases; and related support. Funds proficiency flying to minimum levels allowing AAC 46TW to meet proficiency flying goals.</p> <p>(U) \$312,590 Total</p> <p>(U) <b><u>B. Project Change Summary</u></b></p> <p>FY04 -\$49.136M realigned to program elements established to separately identify facilities restoration/modernization (PE 0605976F) (\$33.548M) and facilities sustainment (PE 0605978F) (\$15.588M).</p>		
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BUDGET ACTIVITY <b>06 - RDT&amp;E Management Support</b>				PE NUMBER AND TITLE <b>0605807F Test and Evaluation Support</b>			PROJECT <b>06TS</b>			
<b>(U) <u>C. Other Program Funding Summary (\$ in Thousands)</u></b>										
	<u>FY 2002</u>	<u>FY 2003</u>	<u>FY 2004</u>	<u>FY 2005</u>	<u>FY 2006</u>	<u>FY 2007</u>	<u>FY 2008</u>	<u>FY 2009</u>	<u>Cost to</u>	<u>Total Cost</u>
	<u>Actual</u>	<u>Estimate</u>	<u>Estimate</u>	<u>Estimate</u>	<u>Estimate</u>	<u>Estimate</u>	<u>Estimate</u>	<u>Estimate</u>	<u>Complete</u>	
<b>(U)</b> Not Applicable										
<b>(U)</b> Related RDT&E: PE 0604759F, Major T&E Investment; PE 0604256F Threat Simulator Development; PE 0604940D, Central T&E Investments; PE 0605976F, Facility Restoration and Modernization - T&E and PE 0605978F Facility Sustainment -T&E Support										
<b>(U) <u>D. Acquisition Strategy</u></b> Not applicable.										
<b>(U) <u>E. Schedule Profile</u></b>										
		<u>FY 2002</u>				<u>FY 2003</u>			<u>FY 2004</u>	
		1	2	3	4	1	2	3	4	1
<b>(U)</b> N/A Most T&E infrastructure requirements are continuous and are not driven by discrete start/end dates.										

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